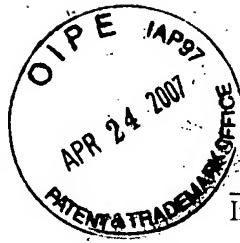


101533946

Docket No.: SON-2855  
(PATENT)

co/c

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Letters Patent of:

Koichi TSUKIHARA et al.

Patent No.: 7,154,673

Issued: December 26, 2006

For: LIGHT ILLUMINATING APPARATUS

Confirmation No.: 9625

Certificate  
APR 26 2007  
of Correction

**REQUEST FOR CERTIFICATE OF CORRECTION**

Attention: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

It is respectfully requested that a Certificate of Correction be issued in connection with the above-identified patent. It appears that mistakes were recorded through the fault of the Patent and Trademark Office in the printing of the patent as clearly disclosed by the records of the Office within the meaning of 35 USC § 254. Accordingly, two copies of the special Certificate of Correction are attached hereto. It is believed that the error noted is an error of consequence involving the title of the invention and thus warrants the granting of a Certificate of Correction. Copies of the first page of the application showing the correct title, the declaration showing the correct title, and the Official Filing Receipt with the correct title are enclosed for the convenience of the PTO. It is believed that the error was made on the part of the PTO and that no government fee is required.

Should any costs be incurred, please consider this authorization to charge Deposit Account No. 18-0013.

Dated: April 24, 2007

Respectfully submitted,

By \_\_\_\_\_

Ronald P. Kananen  
Registration No.: 24,104  
RADER, FISHMAN & GRAUER PLLC  
1233 20th Street, N.W., Suite 501  
Washington, DC 20036  
(202) 955-3750  
Attorney for Applicant

APR 26 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,154,673 B2  
APPLICATION NO. : 10/533,946  
ISSUE DATE : December 26, 2006  
INVENTOR(S) : Koichi TSUKIHARA et al.

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Title Page:**

Item (54) should be read as follows:

-- LIGHT ILLUMINATING APPARATUS--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Ronald P. Kananen  
Rader, Fishman & Grauer PLLC  
1233 20th Street, N.W.  
Suite 501  
Washington, DC 20036

1

APR 26 2007

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**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

Page 1 of 1

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Suite 501  
Washington, DC 20036

DEC 26 2007



## DESCRIPTION

### Light Illuminating Apparatus

#### Technical Field

This invention relates to a light illuminating apparatus that may be applied with advantage to a laser annealing apparatus used e.g. for manufacture of a polysilicon thin film transistor.

The present application claims priority of Japanese Patent Application No.2002-321704, filed in Japan on November 5, 2002, the entirety of which is incorporated by reference herein.

#### Background Art

Recently, a polysilicon film of high carrier mobility has come to be used as a channel layer of a thin film transistor used e.g. for a liquid crystal display. The polysilicon film, used as the channel layer of the thin film transistor, is routinely manufactured by heat-treating amorphous polysilicon on a glass substrate by illuminating laser light thereon. The method for heat-treating an object by illuminating laser light thereon is termed laser annealing and an apparatus for carrying out the laser annealing is termed a laser annealing apparatus.

In producing a polysilicon film, laser annealing needs to be carried out with a laser beam having uniform energy strength along the beam diameter, in order to prevent thin film transistor characteristics from becoming worsened.

However, with the collimated laser beam, formed e.g. by a collimator, the



## Declaration and Power of Attorney For Patent Application

### 特許出願宣言書及び委任状

### Japanese Language Declaration

### 日本語宣言書

下記の氏名の発明者として、私は以下の通り宣言します。 As a below named Inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。 My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

LIGHT ILLUMINATING APPARATUS

上記発明の明細書（下記の欄で x 印がついていない場合は、the specification of which is attached hereto unless the following 本書に添付）は、

\_\_\_\_月\_\_\_\_日に提出され、米国出願番号または特許協定条約  
国際出願番号を\_\_\_\_\_とし、  
(該当する場合) \_\_\_\_\_に訂正されました。

was filed on 24 October 2003  
as United States Application Number or  
PCT International Application Number  
PCT/JP03/13648 and was amended on  
(if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、  
内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents  
of the above identified specification, including the claims, as  
amended by any amendment referred to above.

私は、連邦規則法典第37編第1条56項に定義されると  
おり、特許資格の有無について重要な情報を開示する義務が  
あることを認めます。

I acknowledge the duty to disclose information which is material  
to patentability as defined in Title 37, Code of Federal  
Regulations, Section 1.56.



OCT 14 2007  
APR 24 2007  
UNITED STATES PATENT AND TRADEMARK OFFICE

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/533,946	05/04/2005	2873	1200	SON-2855	9	7	1

CONFIRMATION NO. 9625

23353  
RADER FISHMAN & GRAUER PLLC  
LION BUILDING  
1233 20TH STREET N.W., SUITE 501  
WASHINGTON, DC 20036

CORRECTED FILING RECEIPT



\*OC000000022024163\*

Date Mailed: 01/17/2007

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Koichi Tsukihara, Kanagawa, JAPAN;  
Koichi Tatsuki, Kanagawa, JAPAN;

**Assignment For Published Patent Application**

Sony Corporation, Tokyo, JAPAN

**Power of Attorney:** The patent practitioners associated with Customer Number 23353.

**Domestic Priority data as claimed by applicant**

This application is a 371 of PCT/JP03/13648 10/24/2003

**Foreign Applications**

JAPAN 2002-321704 11/05/2002

If Required, Foreign Filing License Granted: 11/07/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/533,946**

DOCKELED BY

Projected Publication Date: Not Applicable

Non-Publication Request: No

APR 26 2007

**Early Publication Request: No**

**Title**

Light Illuminating apparatus

**Preliminary Class**

359

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

- Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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100-20001